February 8, 2006

VIA CERTIFIED MAIL

Mary Logan US EPA Region V (SR-6J) 77 W Jackson Boulevard Chicago, IL 60604-3590

RUTGERS Organics Corporation

TGERS

Sheila Abraham Ohio EPA - NE District Office Div Of Emergency & Remedial Response 2110 East Aurora Road Twinsburg, OH 44087

Remedial Response Section Manager Ohio EPA - DERR P O Box 1049 Lazarus Government Center Office 122 South Front Street Columbus, OH 43216-1049

> **JANUARY 2007 MONTHLY REPORT** Re:

> > RI/FS & REMEDIAL DESIGN & REMOVAL ACTION

NEASE CHEMICAL SITE

SALEM, OHIO

In accordance with Paragraph X E of the Administrative Order by Consent regarding a Remedial Investigation/Feasibility Study (RI/FS) of the Nease Chemical Site in Salem, Ohio, attached is a copy of the January 2007 RI/FS Progress Report. This report also includes the monthly progress report for the remedial design (OU-2) in accordance with Paragraph X of the Administrative Order on Consent, effective as of May 10, 2006.

Additionally, in accordance with Paragraph 14 of the Administrative Order by Consent, signed December 17, 1993, attached is a copy of the January 2007 Removal Action Progress Report

Please contact us if you have any questions regarding activities discussed in these reports

Sincerely,

Dr Rainer F Domalski Site Coordinator

Enclosures

M. Hardy/Heidi Goldstein - Thompson Hine CC Steve Finn - Golder Associates, Inc.

mi Vamosly.

020607

201 Struble Road State College, PA 16801

Phone 814-238-2424 web-site http RUETGERS-ORGANICS-CORPCOM

Member of the RUTGERS Chemicals Group

US EPA RECORDS CENTER REGION 5

NEASE CHEMICAL SITE, SALEM, OHIO REMEDIAL INVESTIGATION/FEASIBILITY STUDY REMEDIAL DESIGN (OU-2) MONTHLY PROGRESS REPORT JANUARY 2007

1. INTRODUCTION

This progress report has been prepared in accordance with Paragraph XE of the Administrative Order of Consent (AOC) regarding a Remedial Investigation/Feasibility Study (RI/FS) and Paragraph X of the Administrative Order on Consent regarding the Remedial Design (RD/OU-2) of the Nease Chemical Site in Salem, Ohio. The report summarizes the major RI/FS and RD actions during the month along with investigation results and any problems encountered in the project. Activities planned for next month are also presented.

2 SUMMARY OF ACTIVITIES PERFORMED

2.1 PROJECT ACTIVITY SUMMARY

The activities that were initiated and/or completed during the month are described. All activities were performed in accordance with the detailed protocol provided in the approved Work Plan.

2.2 FIELDWORK

2.2.1 RI/FS

The floodplain soil samples taken in September 2006 were shipped to the OEPA lab for mirex analysis.

2 2.2 RD (OU-2)

According with the PDI workplan the following work was accomplished during this month:

NZVI Field Pilot Study

Third round of groundwater sampling in the week of January 1, 2007.

S/S/S Treatability Study

Phase III of the treatability study was completed.

PDI – Report

Technical Memo - Baseline Conditions

2.3 Reports

2.3.1 RI/FS

In preparation of the upcoming Feasibility Study (FS) for OU-3 (Feeder Creek, MFLBC), the agencies and ROC agreed on additional sampling in the MFLBC including sediment, fish, surface water and flood plain soil to have a sufficient data base for the study. The first step, the reconnaissance of sediment bodies in the MFLBC, was performed from August 1 through 15, 2005 Sediment and fish samples were taken in the week of October 10, 2005, the surface water samples in the last October week. The analytical results of the samples taken were validated by the ROC's technical consultant and submitted to the agencies. Sampling locations for the flood

plain soil were determined. ROC has obtained an access agreement with the owners. The actual sampling was conducted in the week of September 18, 2006

The technical team consisting from representatives of U.S. EPA, Ohio EPA, Golder and ROC had a kick-off meeting on September 27, 2006 in Columbus, Ohio, to commence the work on the Feasibility Study (FS) for the Feeder Creek and MFLBC. A follow-up meeting was conducted on December 13, 2006 discussing potential cleanup goals and methods.

2.3 2 RD (OU-2)

The results of the ongoing PDI field investigation and lab studies are discussed in frequent conference calls between the agencies, ROC and its technical consultant.

Based on the groundwater sampling results in two off-site temporary monitoring wells, it was decided to sample sub-slab soil vapors at two residential homes at Benton Road

2.4 MEETINGS

None.

3 VARIATIONS FROM THE APPROVED WORK PLAN

None.

4 RESULTS OF SAMPLING, TESTS AND ANALYSES

The results from the sampling were and will be provided to the agencies in specific reports.

5 PROJECT SCHEDULE

The current Work Plan schedule identifies completion and target dates for project activities. Those scheduled to occur over the next several months include:

- Feasibility Study OU-3 (Feeder Creek, Middle Fork of Little Beaver Creek)
- o Continue PDI field/lab work (NZVI sampling) as well as preparation of PDI Report

6 DIFFICULTIES ENCOUNTERED AND ACTION TAKEN TO RESOLVE PROBLEMS

No significant difficulties were encountered.

7 PERSONNEL CHANGES

None

8 ANTICIPATED PROJECT ACTIVITIES FOR FEBRUARY 2007

- Monthly Progress Report January 2007
- RI/FS
 - OU-3 Feasibility Study
 - Analysis of soil samples recovered during the floodplain sampling in September 2006
- RD (OU-2)
 - o Southern Area Groundwater Assessment Sub-slab soil vapor sampling at residential properties located at 1229 and 1235 Benton Road
 - o Continue with the NZVI Field Pilot Study. The fourth round of

- groundwater sampling is scheduled for February 19, 2007.

 Continue with the preparation of the Baseline Conditions Report.

TABLE 1 NEASE CHEMICAL SITE, SALEM, OHIO RI/FS AND RD (OU-2) SCHEDULE

DATE	TASK/ACTIVITY/DE	ELIVERABLE/MILESTONE
	RI/FS	RD (OU-2)
	Documentation of the Site Activities through July 31, 2004 can be reviewed in the July 2004 Monthly Progress Report	
August 30, 2004 September 1, 2004	US EPA Region V/ OEPA approve Endangerment Assessment Draft Feasibility Study (OU-2) submitted to the agencies for review	
September 9, 2004	Submit Monthly Progress Report	
September 13, 2004	Submit Final Revision to Endangerment Assessment	
October 8, 2004	Submit Monthly Progress Report	·
November 10, 2004	Submit Monthly Progress Report	
November 22, 2004	Received Agencies' comments for draft FS (OU-2)	
December 10, 2004	Submit Monthly Progress Report	
January 10, 2005	Submit Monthly Progress Report	
February 10, 2005	Submit Monthly Progress Report	
March 1, 2005	Final Draft Feasibility Study (OU-2) submitted to agencies for review	
March 4, 2005	Submit Monthly Progress Report	
April 8, 2005	Submit Monthly Progress Report	
April 21, 2005	US EPA Region V/OEPA approve Final Feasibility Study for OU-2	
May 9, 2005	Submit Monthly Progress Report	
May 31, 2005	US EPA Region V published the Proposed Remedial Action the OU-2 (onsite)	
June 9, 2005	Submit Monthly Progress Report	
July 8, 2005	Submit Monthly Progress Report	
August 10, 2005	Submit Monthly Progress Report	
Aug. 1 – 15, 2005	MFLBC – Reconnaissance of sediment bodies	
September 9, 2005	Submit Monthly Progress Report	
September 29, 2005	US EPA Region V signs Final Record of Decision for OU-2	
October 10, 2005	Submit Monthly Progress Report	

DATE	TASK/ACTIVITY/DE	LIVERABLE/MILESTONE								
	RI/FS	RD (OU-2)								
November 9, 2005	Submit Monthly Progress Report									
December 8, 2005	Submit Monthly Progress Report									
January 9, 2006	Submit Monthly Progress Report									
February 8, 2006	Submit Monthly Progress Report									
March 15, 2006	Submit Monthly Progress Report									
April 10, 2006	Submit Monthly Progress Report									
May 8, 2006	Submit Monthly Progress Report									
May 10, 2006		Administrative Order on Consent for OU-2 Remedial Design effective								
May 25, 2006		Submittal of draft PDI Workplan								
June 8, 2006	Submit Month	nly Progress Report								
June 9, 2006		ACO Financial Assurance – Trust Fund placed								
June 28, 2006		US EPA comments to draft PDI workplan received								
July 10, 2006	Submit Month	nly Progress Report								
July 12, 2006		Sampling of well PZ-6B-U								
Aug. 1, 2006		Submit revised PDI Workplan								
Aug. 4, 2006	Submit Month	nly Progress Report								
Aug. 21, 2006		Commenced with PDI Fieldwork								
Aug. 28, 2006		Conditional Approval of PDI Workplan								
Sept. 8, 2006	Submit Month	nly Progress Report								
Sept. 18,	Soil Sampling in the MFLBC Flood									
2006 Sept. 27,	Plain	Submit Final PDI Workplan incl. response								
2006		to agencies' comments								
October 8,	Submit Month	nly Progress Report								
2006										
Nov. 6, 2006		nly Progress Report								
Dec. 12, 2006		lly Progress Report								
Dec. 13, 2006	OU-3 Meeting in US EPA Chicago Office									
Jan. 8, 2007		hly Progress Report								
Febr. 6, 2007	Submit Month	nly Progress Report								

NEASE CHEMICAL SITE, SALEM, OHIO REMOVAL ACTION MONTHLY PROGRESS REPORT JANUARY 2007

1.0 INTRODUCTION

This progress report has been prepared in accordance with Paragraph 14 of the "Order" section of the Administrative Order by Consent (AOC) Docket No V-W-94-C-212, effective November 17, 1993, regarding a Removal Action for the Nease Chemical Site in Salem, Ohio. The report summarizes the major activities during the month along with investigation results and any problems encountered on the project. Activities planned for next month are also presented.

2.0 SUMMARY OF ACTIVITIES PERFORMED

2.1 PROJECT ACTIVITY

The activities that were initiated and/or completed during this month are described below. Activities were performed in accordance with the Removal Action AOC.

The agencies and ROC discussed modifications of the existing onsite groundwater treatment system to optimize the protection against spills. ROC summarized the modifications agreed by the parties in a letter to the agencies. The contractor bids were received and will be awarded

2.2 WORK PLAN PREPARATION/REPORTS

No work plans/reports were submitted this period.

2.3 FIELDWORK

2.3.1 SITE INSPECTIONS

The results of the monthly site inspection carried out at the site on January 31, 2007 are shown in Attachment 1.

2.3.2 MONTHLY WATER LEVEL MEASUREMENTS

The next water level measurements will be conducted in February 2007.

2 3.3 TREATMENT PLANT OPERATION

The treatment plant operated mostly normal throughout the month.

2.4.1.1 MEETINGS

None

3.0 VARIATIONS FROM THE APPROVED REMOVAL ACTION WORK PLAN

None

4.0 RESULTS OF INSPECTIONS, ENVIRONMENTAL SAMPLING, TESTS AND ANALYSES

Water monitoring samples were collected from the treatment plant on January 3 and 17 (see Attachments 2 and 3). The next Acute/Chronic Toxicity Evaluations will be conducted in February 2007

Also included are the MPK test results from December 19, 2006 sampling event (Attachment 4).

5.0 PROJECT SCHEDULE

The updated Work Plan schedule identifies completion and target dates for project activities.

6.0 DIFFICULTIES ENCOUNTERED AND ACTION TAKEN TO RESOLVE PROBLEMS

None

7.0 PERSONNEL CHANGES

No personnel changes occurred during month.

8.0 TYPES AND QUANTITIES OF REMOVED MATERIALS

For the period from January 1 through 31, 2007 the following material was removed:

- 15,600 gallons of leachate and/or backwash water were disposed off-site at a licensed treatment facility.
- Approximately 166,394 gallons were pumped from Leachate Collection System 1 (LCS-1) (total for LCS-1 =19,680,893 gal).
- Approximately 14,933 gallons were pumped from Leachate Collection System 2 (LCS-2) (total for LCS-2 = 1,539,407 gal).
- No water was pumped from Pond 1 (total for the pond = 1,021,138/ gallons).
- Approximately 22 pounds of organic compounds were removed during pumping (estimate based on average VOC/SVOC concentrations for each source).

9.0 ANTICIPATED PROJECT ACTIVITIES FOR FEBRURY 2007

Removal Action activities scheduled for the upcoming month include on-going implementation of the approved Removal Action Work Plan involving:

- Collection of groundwater from the existing collection systems LCS-1, LCS-2 and Pond 1.
- Implementation of planned treatment plant modifications
- Monthly Progress Report for January 2007

020607

TABLE 1 NEASE CHEMICAL SITE, SALEM, OHIO REMOVAL ACTION SCHEDULE

DATE	TASK/ACTIVITY/DELIVERABLE/MILESTONE
	Documentation of the Site Activities through July 31, 2004 can be reviewed in the July 2004 Monthly Progress Report
September 9, 2004	Submit Monthly Progress Report
October 8, 2004	Submit Monthly Progress Report
November 10, 2004	Submit Monthly Progress Report
December 10, 2004	Submit Monthly Progress Report
January 10, 2005	Submit Monthly Progress Report
February 10, 2005	Submit Monthly Progress Report
March 4, 2005	Submit Monthly Progress Report
April 8, 2005	Submit Monthly Progress Report
May 9, 2005	Submit Monthly Progress Report
June 9, 2005	Submit Monthly progress Report
July 8, 2005	Submit Monthly Progress Report
August 10, 2005	Submit Monthly Progress Report
September 9, 2005	Submit Monthly Progress Report
October 10, 2005	Submit Monthly Progress Report
November 9, 2005	Submit Monthly Progress Report
December 8, 2005	Submit Monthly Progress Report
January 9, 2006	Submit Monthly Progress Report
February 8, 2006	Submit Monthly Progress Report
March 15, 2006	Submit Monthly Progress Report
April 10, 2006	Submit Monthly Progress Report
May 8, 2006	Submit Monthly Progress Report
June 8, 2006	Submit Monthly Progress Report
July 10, 2006	Submit Monthly Progress Report
August 4, 2006	Submit Monthly Progress Report
September 8, 2006	Submit Monthly Progress Report
October 8, 2006	Submit Monthly Progress Report
November 6, 2006	Submit Monthly Progress Report
December 12, 2006	Submit Monthly Progress Report
January 8, 2007	Submit Monthly Progress Report
February 6, 2007	Submit Monthly Progress Report

ATTACHMENT 1

RESULTS OF MONTHLY SITE INSPECTION NEASE CHEMICAL SITE, SALEM, OHIO JANUARY 2007

SITE INSPECTION FORM RUETGERS-NEASE CORPORATION Nease Site, Salem, Ohio

Date of Inspection: $1-3/-07$			
Entry Time: 12:00 Hrs.	Exit Time:	1500 HRS.	_
Weather: Coco 200 PERTLY CLOUDY			
Inspector's Name: DENNIS L. LANE			
Inspector's Company: Howells	s and Baird, Inc.		

INSPECTION RESULTS

SPECIFIC OBSERVATIONS:

Structures

(Responses: S = Satisfactory U = Unsatisfactory Yes/No Levels Measured in Feet, N/A = Not Applicable)

	Pump	Quick Connect	Water Level	Berm Erosion	Visible Leakage
Leachate Collection System 1 (LCS-1)	S	S	8.21	N/A	No
Leachate Collection System 2 (LCS-2)	S	S	9.45	N/A	No
Pond 1 Pumphouse	S	S	8.60	N/A	No
Pond 1 Berm	N/A	N/A	N/A	No	No
Pond 2 Embankment	N/A	N/A	N/a	No	No
Exclusion Area A Embankment	N/A	N/A	N/A	No	No
Storage Tank	N/A	S	6.17	N/A	No
Other (specify)	, 				

SPECIFIC OBSERVATIONS:

Sediment Barriers

Condition of Sediment Barriers

Condition of Sediment Barriers			
Barrier ID	Fabric Intact?	By Passing Laborate Evident?	Is Maintenance Necessary?
Sediment Control Structure 1	YES_	No	No
Sediment Control Structure 2	YES	No	No
Fabric Barrier 2	Yes	No	No
Fabric Barrier 3	YES	No	No
Fabric Barrier 4	YES	No	No
Fabric Barrier 5	YES	No	No
Fabric Barrier 8	YES	No	No
Fabric Barrier 9	YES	No	No
Fabric Barrier 10	YES	No.	No
Rock Barrier 1	YES	No	No
Rock Barrier 2	YES	No	No
Pond 7 - North	YES	No	No
Pond 7 - South	YES	No	No

SPECIFIC OBSERVATIONS:

Seeps (if present, use more forms, as necessary)

Seep ID (yr-month-#)	F-Located on Map	a Areal Extent (ft 2)	Magnitude (flow?; ponding?)
94-7-1	YES	20	1
96-8-2	YES	20	NON-FLOWING SEEP

Note Seep ID # equal the "nth' observed seep during the yr-month in question

ADDITIONAL OBSE	RVATION OR REMARKS:	
Inspector's Name:	DENNIS L. LANE	
	Demis L. Lane	
Date:		

ATTACHMENT 2

WATER SAMPLING RESULTS – JANUARY 3, 2007 NEASE CHEMICAL SITE, SALEM, OHIO

JAN 2 2 2007

Auetgers Organize Gert



STL North Canton 4101 Shuffel Drive NW North Canton, OH 44720

Tel: 330 497 9396 Fax. 330 497 0772 www.stl-inc com

ANALYTICAL REPORT

SALEM, OHIO SITE

Lot #: A7A040190

Dr. Rainer Domalski

Rutgers Organics Corporation 201 Struble Road State College, PA 16801

SEVERN TRENT LABORATORIES, INC.

Kenneth J. Kuzior Project Manager

Kith & Kur

January 17, 2007

SAMPLE SUMMARY

A7A040190

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JMEE8	001	INFLUENT 1-3-07	01/03/07	
JMEFA	002	OUTFALL 1-3-07	01/03/07	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages
- All calculations are performed before rounding to avoid round-off errors in calculated results
- Results noted as "ND" were not detected at or above the stated limit
- This report must not be reproduced, except in full, without the written approval of the laboratory
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight

STL North Canton

Rutgers Organics Corporation

Client Sample ID: INFLUENT 1-3-07

General Chemistry

Lot-Sample #...: A7A040190-001 Work Order #...: JMEE8 Matrix.....: WG

Date Sampled...: 01/03/07 13:00 Date Received..: 01/04/07

RESULT	ŔĹ	UNITS	METHOD			PREP BATCH #
ND	0.10	mg/L	MCAWW 300	.0A	01/04/07	7005151
Díl	ution Facto	or: 1				
ND	0.10	mg/L	MCAWW 300	.0A	01/04/07	7005152
Dil	ution Facto	or: 1				
ND	2.0	mg/L	MCAWW 350	. 2	01/08/07	7008312
Dil	ution Facto	or: 1				
ND	0.1	mg/L	MCAWW 365	. 2	01/11/07	7011351
	ND Dil ND Dil ND	ND 0.10 Dilution Factor ND 0.10 Dilution Factor ND 2.0 Dilution Factor ND 0.1	ND 0.10 mg/L Dilution Factor: 1 ND 0.10 mg/L Dilution Factor: 1 ND 2.0 mg/L Dilution Factor: 1	ND 0.10 mg/L Dilution Factor: 1 MCAWW 300 ND 0.10 mg/L Dilution Factor: 1 MCAWW 300 ND 2.0 mg/L MCAWW 350 Dilution Factor: 1 ND 0.1 mg/L MCAWW 365	RESULT RL UNITS METHOD ND 0.10 mg/L MCAWW 300.0A Dilution Factor: 1 MCAWW 300.0A ND 0.10 mg/L MCAWW 300.0A Dilution Factor: 1 MCAWW 350.2 Dilution Factor: 1 MCAWW 365.2	ND 0.10 mg/L Dilution Factor: 1 MCAWW 300.0A 01/04/07 ND 0.10 mg/L Dilution Factor: 1 MCAWW 300.0A 01/04/07 ND 2.0 mg/L MCAWW 350.2 01/08/07 Dilution Factor: 1 MCAWW 365.2 01/11/07

Rutgers Organics Corporation

Client Sample ID: OUTFALL 1-3-07

General Chemistry

Lot-Sample #...: A7A040190-002 Work Order #...: JMEFA Matrix...... WG

Date Sampled...: 01/03/07 13:00 Date Received..: 01/04/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION - ANALYSIS DATE	PREP BATCH #
Nitrate as N	ND Dil	0.10 ution Facto	mg/L or: 1	MCAWW 300.0A	01/04/07	7005151
Nitrite as N	ND Dil	0.10 ution Facto	mg/L or: 1	MCAWW 300.0A	01/04/07	7005152
Nitrogen, as Ammonia		2.0 ution Facto	mg/L or: 1	MCAWW 350.2	01/08/07	7008312
Total phosphorus	0.1	0.1 ution Facto	mg/L or: 1	MCAWW 365.2	01/11/07	7011351

STL North Canton 7

Chain of Custody Record

DISTRIBUTION: WHITE - Returned to Client with Report CANARY - Slays with the Sample PINK - Field Copy



STL-4124 (0901)																												
				Dr. Rainer Domalski									l	Date I	_	2	<u>ہ</u> ۔	1	1	Chain of Custody Number 304476								
Autgers Organics Corp	·	Telephi	Telephone Number (Area Code)/Fax Number									1-3-07							-	`	704	-1	0					
201 Struble Rd.			(814) 231-9200 (814) 239-									-5	20		Eub II	0	,,			-	Page .	ı		of _	1			
City Stale Zip Co	ode	Site Co			<u> </u>	Ц	Lab	Con	itact		UV		<u> </u>	70		<u>, , , , , , , , , , , , , , , , , , , </u>	4na/	rsis (r	Attac	:h lisi	t if		L	T		=	<u> </u>	
State College PA. 1	6801	Den	ΛV	L	une	,							ļ		3	п	ore	space	e is r	eede	9d)		- r-	4				
Project Name and Location (State)		Carrier	Way	bill N	umbei	,	<u> </u>						\neg	爿	青													
_ Salem, Ohio Site														White	Phosphor									1	Specia	al Ini	structi	ons/
Contract/Purchase Order/Quote No				N	latrix				Cont Pres					4	1										Conditi	ions	of Re	ceipt
Sample I.D. No. and Description	Date	Time		5 G		T	Chores	HZSOA	8		£	3,6		Nifeate,	1	1												
(Containers for each sample may be combined on one line)	Date	111111111111111111111111111111111111111	₹	Aqueo	S	Š			HNO3	ΨÇ	Max	ZoAc/ NaOH		Z	4		丄	<u> </u>		Ц	_							
Influent 1-3-07	1-3-07	1300		X	_	1	X	 							_	\perp	_	_			_		_				_	
Outfall 1-3-07	1-3-07	1300		У			X							1		\perp	\perp											
Influent 1-3-07	1.3-07	1,300		X	_			X							1		\perp											
Outfall 1-3-07	1-3-07	1300		X	- {	-		X	}						1						- }	1		1				
						\top	T														\neg			T				
			\vdash		+	\dashv	+		1			Н			_	+	十	+-	 	1	7	_	╅	+-			·····	
			-	-		- -	╂	├	├	├-		\vdash	-	-	-+	-	+	+-	├	\vdash				+	_			
		·····			\perp		$oldsymbol{oldsymbol{\perp}}$	<u> </u>	_	<u> </u>	_						\perp	1	上									
İ					1	ı							}					1	}		į							
						T	1									\top							T					
				Н	1	_	十	t	 	\vdash		Н	-		_	+	+	╁		Н		-+	十	1				
			-		\dashv			┢	╄	 			-			-	+	+			-	-						
						\bot		L	<u> </u>	L							\perp		<u> </u>				\perp					
ĺ								ļ	}	l											Ì			-				
Possible Hazard Identification					e Disp			•											<u> </u>	(A 16	e ma	av be a	assas	sed if s	amples a	ere na	tained	
	Poison B 🔲	Unknow	,][Re	etum 1	o Clie	nt		Dispo						ve Fo	<u>r</u>		_ Mor	ths			an 1 m						
Turn Around Time Required		П						100	Req	uiren	nents	s (Sp.	ecify))														c
24 Hours	s 21 Days	Date	ner		, Tım	Α	_	1,	Recei	ived .	Rv	-1												Date			Time	
Gerald Wilhelm		1-3	3 -1	57	1	500)	1			. /	// .	. /	γ),	لم	d)	.	1						L	1/07	7	912	SAS
2 Relinquished By		Date			Tim			2 /	Rece	ived	B y	\mathcal{T}		/ (\nearrow							Date	· · · · · · · · · · · · · · · · · · ·		ime	~ ~ . , ~ ,
																												کے اب میں۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔
3 Relinquished By	<u> </u>	Date			Tim	8	_	3	Rece	ived	Ву								_					Date		1	Time	7
Comments				<u></u> .				1_																Ĺ				
Comments																												! -

ATTACHMENT 3

WATER SAMPLING RESULTS – JANUARY 17, 2007 NEASE CHEMICAL SITE, SALEM, OHIO

The results shown below may still require additional laboratory review and are subject to

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Rutgers Organics Corporation

PAGE 1

Lot #: A7A180130

SALEM, OHIO SITE

Date Reported: 1/25/07

		REPORTING		ANALYTICAL
PARAMETER	RESULT	LIMIT	UNITS	METHOD

Client Sample ID: INFLUENT 1-17-07

Sample #: 001 Date Sampled: 01/17/07 13:00 Date Received: 01/18/07 Matrix: WATER

Volatile Organics by GC/MS				F	Reviewed
Acetone	ND	4200	ug/L	SW846 8260B	
Benzene	260 J	420	ug/L	SW846 8260B	
Bromobenzene	ND	420	ug/L	SW846 8260B	
Bromochloromethane	ND	420	ug/L	SW846 8260B	
Bromodichloromethane	ND	420	ug/L	SW846 8260B	
Bromoform	ND	420	ug/L	SW846 8260B	
Bromomethane	ND	420	ug/L	SW846 8260B	
2-Butanone	ND	4200	ug/L	SW846 8260B	
n-Butylbenzene	ND	420	ug/L	SW846 8260B	
sec-Butylbenzene	ND	420	ug/L	SW846 8260B	
tert-Butylbenzene	ND	420	ug/L	SW846 8260B	
Carbon tetrachloride	ND	420	ug/L	SW846 8260B	
Chlorobenzene	220 J	420	ug/L	SW846 8260B	
Dibromochloromethane	ND	420	ug/L	SW846 8260B	
Chloroethane	ND	420	ug/L	SW846 8260B	
Chloroform	ND	420	ug/L	SW846 8260B	
Chloromethane	ND	420	${\tt ug/L}$	SW846 8260B	
2-Chlorotoluene	ND	420	ug/L	SW846 8260B	
4-Chlorotoluene	ND	420	ug/L	SW846 8260B	
1,2-Dibromoethane	ND	420	ug/L	SW846 8260B	
Dibromomethane	ND	420	ug/L	SW846 8260B	
1,2-Dichlorobenzene	6700	420	ug/L	SW846 8260B	
1,3-Dichlorobenzene	ND	420	ug/L	SW846 8260B	
1,4-Dichlorobenzene	ND	420	ug/L	SW846 8260B	
Dichlorodifluoromethane	ND	420	ug/L	SW846 8260B	
1,1-Dichloroethane	ND	420	ug/L	SW846 8260B	
1,2-Dichloroethane	230 Ј	420	ug/L	SW846 8260B	
cis-1,2-Dichloroethene	10000	420	ug/L	SW846 8260B	
trans-1,2-Dichloroethene	ND	420	ug/L	SW846 8260B	
1,1-Dichloroethene	ND	420	ug/L	SW846 8260B	
1,2-Dichloropropane	ND	420	ug/L	SW846 8260B	
1,3-Dichloropropane	ND	420	ug/L	SW846 8260B	
2,2-Dichloropropane	ND	420	ug/L	SW846 8260B	
cis-1,3-Dichloropropene	ND	420	ug/L	SW846 8260B	
trans-1,3-Dichloropropene	ND	420	ug/L	SW846 8260B	
1,1-Dichloropropene	ND	420	ug/L	SW846 8260B	
Ethylbenzene	ND	420	ug/L	SW846 8260B	

(Continued on next page)

The results shown below may still require additional laboratory review and are subject to

Rutg #: A7A180130	ers Organics SALEM, O	s Corporation HIO SITE	n	Date Reported:	PAGE 1/25/0
PARAMETER_	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
	KESOB1	<u> </u>	ONITS	METHOD	
lient Sample ID: INFLUENT 1-17- ample #: 001 Date Sampled:		:00 Date Re	celved: 0	1/18/07 Matrix:	WATER
Volatile Organics by GC/MS					Reviewed
Isopropylbenzene	ND	420	ug/L	SW846 8260B	
p-Isopropyltoluene	ND	420	ug/L	SW846 8260B	
Methylene chloride	400 J	420	ug/L	SW846 8260B	
n-Propylbenzene	ND	420	ug/L	SW846 8260B	
Styrene	ND	420	ug/L	SW846 8260B	
1,1,1,2-Tetrachloroethane	ND	420	ug/L	SW846 8260B	
1,1,2,2-Tetrachloroethane	120 J	420	ug/L	SW846 8260B	
Tetrachloroethene	440	420	ug/L	SW846 8260B	
Toluene	ND	420	ug/L	SW846 8260B	
1,1,1-Trichloroethane	ND	420	ug/L	SW846 8260B	
1,1,2-Trichloroethane	ND	420	ug/L	SW846 8260B	
Trichloroethene	200 Ј	420	ug/L	SW846 8260B	
Trichlorofluoromethane	ND	420	ug/L	SW846 8260B	
1,2,3-Trichloropropane	ND	420	ug/L	SW846 8260B	
1,2,4-Trimethylbenzene	ND	420	ug/L	SW846 8260B	
1,3,5-Trimethylbenzene	ND	420	ug/L	SW846 8260B	
Vinyl chloride	360 J	420	ug/L	SW846 8260B	
m-Xylene & p-Xylene	ND	830	ug/L	SW846 8260B	
o-Xylene	ND	420	ug/L	SW846 8260B	
J Estimated result Result is less than RL					
Semivolatile Organic Compounds	by GC/MS				Reviewed
Anthracene	ND	2500	ug/L	SW846 8270C	
Benzo(a)anthracene	ND	2500	ug/L	SW846 8270C	
Benzo(b)fluoranthene	ND	2500	ug/L	SW846 8270C	
Benzo(k)fluoranthene	ND	2500	ug/L	SW846 8270C	
Benzo(ghi)perylene	ND	2500	ug/L	SW846 8270C	
Benzo(a)pyrene	ND	2500	ug/L	SW846 8270C	
Butyl benzyl phthalate	ND	2500	ug/L	SW846 8270C	
Chrysene	ND	2500	ug/L	SW846 8270C	
Dibenz(a,h)anthracene	ND	2500	ug/L	SW846 8270C	
Di-n-butyl phthalate	ИD	2500	ug/L	SW846 8270C	
1,2-Dichlorobenzene	6800	2500	ug/L	SW846 8270C	
1,3-Dichlorobenzene	ND	2500	ug/L	SW846 8270C	
1,4-Dichlorobenzene	ND	2500	ug/L	SW846 8270C	
Dimethyl phthalate	ND	2500	49/11	DW040 02700	

(Continued on next page)

The results shown below may still require additional laboratory review and are subject to

t #: A7A180130	gers Organics Corporation SALEM, OHIO SITE			Date Reported:	PAGE : 1/25/07
		REPORTIN	1G	ANALYTICAL	
PARAMETER	RESULT	LIMIT	UNITS	METHOD_	
Client Sample ID: INFLUENT 1-17-	-07				
Sample #: 001 Date Sampled:		:00 Date F	Received: 01/	18/07 Matrix:	WATER
Semivolatile Organic Compound:	s by GC/MS				Reviewed
Fluorene	ND	2500	ug/L	SW846 8270C	
Indeno(1,2,3-cd)pyrene	ND	2500	ug/L	SW846 8270C	
2-Methylnaphthalene	ND	2500	ug/L	SW846 8270C	
4-Methylphenol	ND	2500	ug/L	SW846 8270C	
Naphthalene	ND	2500	ug/L	SW846 8270C	
Phenanthrene	ND	2500	ug/L	SW846 8270C	
Phenol	ND	2500	ug/L	SW846 8270C	
Pyrene	ND	2500	ug/L	SW846 8270C	
Phenyl sulfone	ND	500	ug/L	SW846 8270C	
3,4-Dichloronitrobenzene	ND	2500	ug/L	SW846 8270C	
Inorganic Analysis					Reviewed
pH Aqueous	7.1		No Units	SW846 9040B	
Filterable Residue (TDS)	390	10	mg/L	MCAWW 160.1	
Non-Filterable	11	4.0	mg/L	MCAWW 160.2	
Non litterable					
Residue (TSS)					
Residue (TSS) Client Sample ID: LGAC 1-17-07					
Residue (TSS) Client Sample ID: LGAC 1-17-07	01/17/07 13	:00 Date F	Received: 01/	18/07 Matrix:	WATER
Residue (TSS) Client Sample ID: LGAC 1-17-07	01/17/07 13	:00 Date F	Received: 01/	18/07 Matrix:	WATER Reviewed
Residue (TSS) Client Sample ID: LGAC 1-17-07 Sample #: 002 Date Sampled:	01/17/07 13 ND	10	ug/L	18/07 Matrix: SW846 8260B	
Residue (TSS) Client Sample ID: LGAC 1-17-07 Sample #: 002 Date Sampled: Volatile Organics by GC/MS			ug/L ug/L	SW846 8260B SW846 8260B	
Residue (TSS) Client Sample ID: LGAC 1-17-07 Sample #: 002 Date Sampled: Volatile Organics by GC/MS Acetone Benzene Bromobenzene	ИD	10 1.0 1.0	ug/L ug/L ug/L	SW846 8260B SW846 8260B SW846 8260B	
Residue (TSS) Client Sample ID: LGAC 1-17-07 Sample #: 002 Date Sampled: Volatile Organics by GC/MS Acetone Benzene	ND ND	10 1.0 1.0	ug/L ug/L ug/L ug/L	SW846 8260B SW846 8260B SW846 8260B SW846 8260B	
Residue (TSS) Client Sample ID: LGAC 1-17-07 Sample #: 002 Date Sampled: Volatile Organics by GC/MS Acetone Benzene Bromobenzene Bromochloromethane Bromodichloromethane	ND ND ND	10 1.0 1.0 1.0	ug/L ug/L ug/L ug/L ug/L	SW846 8260B SW846 8260B SW846 8260B	
Residue (TSS) Client Sample ID: LGAC 1-17-07 Sample #: 002 Date Sampled: Volatile Organics by GC/MS Acetone Benzene Bromobenzene Bromochloromethane Bromodichloromethane Bromoform	ND ND ND ND ND	10 1.0 1.0 1.0 1.0	ug/L ug/L ug/L ug/L ug/L ug/L	SW846 8260B SW846 8260B SW846 8260B SW846 8260B SW846 8260B SW846 8260B	
Residue (TSS) Client Sample ID: LGAC 1-17-07 Cample #: 002 Date Sampled: Volatile Organics by GC/MS Acetone Benzene Bromobenzene Bromochloromethane Bromodichloromethane Bromoform Bromomethane	ND ND ND ND	10 1.0 1.0 1.0 1.0	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	SW846 8260B SW846 8260B SW846 8260B SW846 8260B SW846 8260B SW846 8260B SW846 8260B	
Residue (TSS) Client Sample ID: LGAC 1-17-07 Sample #: 002 Date Sampled: Volatile Organics by GC/MS Acetone Benzene Bromobenzene Bromochloromethane Bromodichloromethane Bromoform Bromomethane 2-Butanone	ND ND ND ND ND	10 1.0 1.0 1.0 1.0 1.0	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	SW846 8260B SW846 8260B SW846 8260B SW846 8260B SW846 8260B SW846 8260B SW846 8260B SW846 8260B	
Residue (TSS) Client Sample ID: LGAC 1-17-07 Sample #: 002 Date Sampled: Volatile Organics by GC/MS Acetone Benzene Bromobenzene Bromochloromethane Bromodichloromethane Bromoform Bromomethane 2-Butanone n-Butylbenzene	ND ND ND ND ND ND ND	10 1.0 1.0 1.0 1.0 1.0 1.0	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	SW846 8260B SW846 8260B SW846 8260B SW846 8260B SW846 8260B SW846 8260B SW846 8260B	
Residue (TSS) Client Sample ID: LGAC 1-17-07 Sample #: 002 Date Sampled: Volatile Organics by GC/MS Acetone Benzene Bromobenzene Bromochloromethane Bromoform Bromomethane 2-Butanone n-Butylbenzene sec-Butylbenzene	ND ND ND ND ND ND ND ND ND	10 1.0 1.0 1.0 1.0 1.0 1.0	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	SW846 8260B SW846 8260B SW846 8260B SW846 8260B SW846 8260B SW846 8260B SW846 8260B SW846 8260B	
Residue (TSS) Client Sample ID: LGAC 1-17-07 Sample #: 002 Date Sampled: Volatile Organics by GC/MS Acetone Benzene Bromobenzene Bromochloromethane Bromodichloromethane Bromoform Bromomethane 2-Butanone n-Butylbenzene	ND	10 1.0 1.0 1.0 1.0 1.0 1.0	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	SW846 8260B SW846 8260B SW846 8260B SW846 8260B SW846 8260B SW846 8260B SW846 8260B SW846 8260B SW846 8260B	

(Continued on next page)

1.0

1.0

1.0

ug/L ug/L ug/L

SW846 8260B

SW846 8260B

SW846 8260B

ND

ND

ND

Chlorobenzene

Chloroethane

Dibromochloromethane

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Rutgers Organics Corporation

PAGE 4

Lot #: A7A180130

SALEM, OHIO SITE

Date Reported: 1/25/07

		REPORTING		ANALYTICAL
PARAMETER	RESULT	LIMIT	UNITS	METHOD

Client Sample ID: LGAC 1-17-07

Sample #: 002 Date Sampled: 01/17/07 13:00 Date Received: 01/18/07 Matrix: WATER

			Review	ved.
ND	1.0	ug/L	SW846 8260B	
ND	1.0	ug/L	SW846 8260B	
ND	1.0	ug/L	SW846 8260B	
ND	1.0	ug/L	SW846 8260B	
ND	1.0	ug/L	SW846 8260B	
ND	1.0	ug/L	SW846 8260B	
ИD	1.0	ug/L	SW846 8260B	
ND	1.0	ug/L	SW846 8260B	
ND	1.0	ug/L	SW846 8260B	
ND	1.0	ug/L	SW846 8260B	
ND	1.0	ug/L	SW846 8260B	
ND	1.0	ug/L	SW846 8260B	
ND	1.0	ug/L	SW846 8260B	
ND	1.0	ug/L	SW846 8260B	
ND	1.0	ug/L	SW846 8260B	
ND	1.0	ug/L	SW846 8260B	
ND	1.0	ug/L	SW846 8260B	
ND	1.0	ug/L	SW846 8260B	
ND	1.0	ug/L	SW846 8260B	
ИD	1.0	ug/L	SW846 8260B	
ND	1.0	ug/L	SW846 8260B	
ND	1.0	ug/L	SW846 8260B	
ND	1.0	ug/L	SW846 8260B	
ND	1.0	ug/L	SW846 8260B	
ИD	1.0	ug/L	SW846 8260B	
ND	1.0	ug/L	SW846 8260B	
ND	1.0	ug/L	SW846 8260B	
ND	1.0	ug/L	SW846 8260B	
ND	1.0	ug/L	SW846 8260B	
ND	1.0	ug/L	SW846 8260B	
ND	1.0	ug/L	SW846 8260B	
ND	1.0	ug/L	SW846 8260B	
ND	1.0	ug/L	SW846 8260B	
ND	1.0	ug/L	SW846 8260B	
ND	1.0	ug/L	SW846 8260B	
ND	1.0	ug/L	SW846 8260B	
ND	1.0	ug/L	SW846 8260B	
	ND N	ND	ND	ND

(Continued on next page)

1,3,5-Trimethylbenzene	Rut t #: A7A180130		gers Organics Corporation SALEM, OHIO SITE			PAGE 1/25/07	
Sample #: 002 Date Sampled: 01/17/07 13:00 Date Received: 01/18/07 Matrix: WATER	PARAMETER	RESULT_					
Sample #: 002 Date Sampled: 01/17/07 13:00 Date Received: 01/18/07 Matrix: WATER							
1,3,5-Trimethylbenzene		01/17/07 13:	:00 Date Re	eceived: 01/	18/07 Matrix:	WATER	
1,3,5-Trimethylbenzene	Volatile Organics by GC/MS					Reviewed	
Vinyl chloride		ND	1.0	ug/L	SW846 8260B		
Marcury in Liquid Waste (Manual Cold-Vapor) Mercury in Liquid Waste (Manual Cold-Vapor) Mercury ND 0.0010 mg/L SW846 6020 Mercury Mercury Mercury ND 0.0010 mg/L SW846 6020 Mercury Mercury	-	ND	1.0	-	SW846 8260B		
O-Xylene ND 1.0 ug/L SW846 8260B Inorganic Analysis	-	ND	2.0	-	SW846 8260B		
## PAQUEOUS SWA46 9040B Filterable Residue (TDS) 380 10 mg/L MCAWW 160.1		ND	1.0	-			
## Aqueous # 8.1	Inorganic Analysis					Paviauad	
Filterable Residue (TDS)		Ω 1		No Unite	SW846 9040B	INC VICWEC	
Non-Filterable ND 4.0 mg/L MCAWW 160.2			10				
Client Sample ID: OUTFALL 1-17-07 Sample #: 003 Date Sampled: 01/17/07 13:00 Date Received: 01/18/07 Matrix: WATER Mercury in Liquid Waste (Manual Cold-Vapor)				-			
Sample #: 003 Date Sampled: 01/17/07 13:00 Date Received: 01/18/07 Matrix: WATER Mercury in Liquid Waste (Manual Cold-Vapor) Reviewe Mercury in Liquid Waste (Manual Cold-Vapor) ND 0.0020 mg/L SW846 7470A ICP-MS (6020) ND 0.0010 mg/L SW846 6020 Reviewe Silver ND 0.050 mg/L SW846 6020 SW846 6020 Arsenic 0.012 0.0010 mg/L SW846 6020 SW846 6020 Cadmium ND 0.0010 mg/L SW846 6020 SW846 6020 <th colsp<="" td=""><td>Residue (TSS)</td><td></td><td></td><td></td><td></td><td></td></th>	<td>Residue (TSS)</td> <td></td> <td></td> <td></td> <td></td> <td></td>	Residue (TSS)					
ND 0.00020 mg/L SW846 7470A			00 Date Re	eceived: 01/	18/07 Matrix:	WATER	
Silver ND 0.0010 mg/L SW846 6020 Aluminum ND 0.050 mg/L SW846 6020 Arsenic 0.012 0.0010 mg/L SW846 6020 Beryllium ND 0.0010 mg/L SW846 6020 Cadmium ND 0.0010 mg/L SW846 6020 Chromium ND 0.0020 mg/L SW846 6020 Copper ND 0.0020 mg/L SW846 6020 Iron 0.57 0.020 mg/L SW846 6020 Nickel 0.012 0.0020 mg/L SW846 6020 Lead ND 0.0010 mg/L SW846 6020 Antimony ND 0.0020 mg/L SW846 6020 Thallium ND 0.0010 mg/L SW846 6020 Volatile Organics by GC/MS Reviewe	Sample #: 003 Date Sampled:	01/17/07 13:		eceived: 01/	18/07 Matrix:		
Aluminum ND 0.050 mg/L SW846 6020 Arsenic 0.012 0.0010 mg/L SW846 6020 Beryllium ND 0.0010 mg/L SW846 6020 Cadmium ND 0.0010 mg/L SW846 6020 Chromium ND 0.0020 mg/L SW846 6020 Copper ND 0.0020 mg/L SW846 6020 Iron 0.57 0.020 mg/L SW846 6020 Nickel 0.012 0.0020 mg/L SW846 6020 Lead ND 0.0010 mg/L SW846 6020 Antimony ND 0.0010 mg/L SW846 6020 Thallium ND 0.0010 mg/L SW846 6020 Thallium ND 0.0010 mg/L SW846 6020 Zinc ND 0.0010 mg/L SW846 6020 Volatile Organics by GC/MS	Sample #: 003 Date Sampled: Mercury in Liquid Waste (Manu	01/17/07 13:	c)				
Arsenic 0.012 0.0010 mg/L SW846 6020 Beryllium ND 0.0010 mg/L SW846 6020 Cadmium ND 0.0010 mg/L SW846 6020 Chromium ND 0.0020 mg/L SW846 6020 Copper ND 0.0020 mg/L SW846 6020 Iron 0.57 0.020 mg/L SW846 6020 Nickel 0.012 0.0020 mg/L SW846 6020 Lead ND 0.0010 mg/L SW846 6020 Antimony ND 0.0020 mg/L SW846 6020 Thallium ND 0.0010 mg/L SW846 6020 Volatile Organics by GC/MS ND 0.010 mg/L SW846 6020	Sample #: 003 Date Sampled: Mercury in Liquid Waste (Manu Mercury	01/17/07 13:	c)			Reviewed	
Beryllium ND 0.0010 mg/L SW846 6020 Cadmium ND 0.0010 mg/L SW846 6020 Chromium ND 0.0020 mg/L SW846 6020 Copper ND 0.0020 mg/L SW846 6020 Iron 0.57 0.020 mg/L SW846 6020 Nickel 0.012 0.0020 mg/L SW846 6020 Lead ND 0.0010 mg/L SW846 6020 Antimony ND 0.0020 mg/L SW846 6020 Thallium ND 0.0010 mg/L SW846 6020 Volatile Organics by GC/MS Reviewe	Sample #: 003 Date Sampled: Mercury in Liquid Waste (Manumercury ICP-MS (6020)	01/17/07 13: nal Cold-Vapor ND	0.00020	mg/L	SW846 7470A	Reviewed	
Cadmium ND 0.0010 mg/L SW846 6020 Chromium ND 0.0020 mg/L SW846 6020 Copper ND 0.0020 mg/L SW846 6020 Iron 0.57 0.020 mg/L SW846 6020 Nickel 0.012 0.0020 mg/L SW846 6020 Lead ND 0.0010 mg/L SW846 6020 Antimony ND 0.0020 mg/L SW846 6020 Thallium ND 0.0010 mg/L SW846 6020 Zinc ND 0.010 mg/L SW846 6020 Volatile Organics by GC/MS	Sample #: 003 Date Sampled: Mercury in Liquid Waste (Manumercury) ICP-MS (6020) Silver	01/17/07 13: nal Cold-Vapon ND	0.00020	mg/L	SW846 7470A SW846 6020	Reviewed	
Chromium ND 0.0020 mg/L SW846 6020 Copper ND 0.0020 mg/L SW846 6020 Iron 0.57 0.020 mg/L SW846 6020 Nickel 0.012 0.0020 mg/L SW846 6020 Lead ND 0.0010 mg/L SW846 6020 Antimony ND 0.0020 mg/L SW846 6020 Thallium ND 0.0010 mg/L SW846 6020 Zinc ND 0.010 mg/L SW846 6020 Volatile Organics by GC/MS Reviewe	Sample #: 003 Date Sampled: Mercury in Liquid Waste (Manumercury) ICP-MS (6020) Silver Aluminum	01/17/07 13: nal Cold-Vapor ND ND ND	0.00020 0.0010 0.050	mg/L mg/L mg/L	SW846 7470A SW846 6020 SW846 6020	Reviewed	
Copper ND 0.0020 mg/L SW846 6020 Iron 0.57 0.020 mg/L SW846 6020 Nickel 0.012 0.0020 mg/L SW846 6020 Lead ND 0.0010 mg/L SW846 6020 Antimony ND 0.0020 mg/L SW846 6020 Thallium ND 0.0010 mg/L SW846 6020 Zinc ND 0.010 mg/L SW846 6020 Volatile Organics by GC/MS Reviewe	Sample #: 003 Date Sampled: Mercury in Liquid Waste (Manumercury) ICP-MS (6020) Silver Aluminum Arsenic	01/17/07 13: nal Cold-Vapor ND ND ND ND ND ND 0.012	0.00020 0.0010 0.050 0.0010	mg/L mg/L mg/L mg/L	SW846 7470A SW846 6020 SW846 6020 SW846 6020	Reviewed	
Iron 0.57 0.020 mg/L SW846 6020 Nickel 0.012 0.0020 mg/L SW846 6020 Lead ND 0.0010 mg/L SW846 6020 Antimony ND 0.0020 mg/L SW846 6020 Thallium ND 0.0010 mg/L SW846 6020 Zinc ND 0.010 mg/L SW846 6020 Volatile Organics by GC/MS Reviewe	Sample #: 003 Date Sampled: Mercury in Liquid Waste (Manumercury) ICP-MS (6020) Silver Aluminum Arsenic Beryllium	01/17/07 13: nal Cold-Vapor ND ND ND ND ND ND ND 0.012 ND	0.00020 0.0010 0.050 0.0010 0.0010	mg/L mg/L mg/L mg/L	SW846 7470A SW846 6020 SW846 6020 SW846 6020 SW846 6020	Reviewed	
Nickel 0.012 0.0020 mg/L SW846 6020 Lead ND 0.0010 mg/L SW846 6020 Antimony ND 0.0020 mg/L SW846 6020 Thallium ND 0.0010 mg/L SW846 6020 Zinc ND 0.010 mg/L SW846 6020 Volatile Organics by GC/MS Reviewe	Sample #: 003 Date Sampled: Mercury in Liquid Waste (Manumercury) ICP-MS (6020) Silver Aluminum Arsenic Beryllium Cadmium	01/17/07 13: nal Cold-Vapor ND ND ND ND ND ND ND 0.012 ND ND	0.00020 0.0010 0.050 0.0010 0.0010 0.0010	mg/L mg/L mg/L mg/L mg/L	SW846 7470A SW846 6020 SW846 6020 SW846 6020 SW846 6020 SW846 6020	Reviewed	
Lead ND 0.0010 mg/L SW846 6020 Antimony ND 0.0020 mg/L SW846 6020 Thallium ND 0.0010 mg/L SW846 6020 Zinc ND 0.010 mg/L SW846 6020 Volatile Organics by GC/MS Reviewe	Sample #: 003 Date Sampled: Mercury in Liquid Waste (Manumercury) ICP-MS (6020) Silver Aluminum Arsenic Beryllium Cadmium Chromium	01/17/07 13: nal Cold-Vapor ND	0.00020 0.0010 0.050 0.0010 0.0010 0.0010 0.0020	mg/L mg/L mg/L mg/L mg/L mg/L mg/L	SW846 7470A SW846 6020 SW846 6020 SW846 6020 SW846 6020 SW846 6020 SW846 6020	Reviewed	
Antimony ND 0.0020 mg/L SW846 6020 Thallium ND 0.0010 mg/L SW846 6020 Zinc ND 0.010 mg/L SW846 6020 Volatile Organics by GC/MS Reviewe	Mercury in Liquid Waste (Manumercury ICP-MS (6020) Silver Aluminum Arsenic Beryllium Cadmium Chromium Copper	01/17/07 13: nal Cold-Vapor ND	0.00020 0.0010 0.050 0.0010 0.0010 0.0020 0.0020	mg/L mg/L mg/L mg/L mg/L mg/L mg/L	SW846 7470A SW846 6020	Reviewed	
Thallium ND 0.0010 mg/L SW846 6020 Zinc ND 0.010 mg/L SW846 6020 Volatile Organics by GC/MS Reviewe	Mercury in Liquid Waste (Manumercury ICP-MS (6020) Silver Aluminum Arsenic Beryllium Cadmium Chromium Copper Iron Nickel	01/17/07 13: nal Cold-Vapor ND 0.00020 0.0010 0.050 0.0010 0.0010 0.0020 0.0020 0.0020	mg/L mg/L mg/L mg/L mg/L mg/L mg/L	SW846 7470A SW846 6020	Reviewed		
Zinc ND 0.010 mg/L SW846 6020 Volatile Organics by GC/MS Reviewe	Mercury in Liquid Waste (Manumercury ICP-MS (6020) Silver Aluminum Arsenic Beryllium Cadmium Chromium Copper Iron Nickel	01/17/07 13: nal Cold-Vapor ND 0.00020 0.0010 0.050 0.0010 0.0010 0.0020 0.0020 0.0020 0.0020	mg/L mg/L mg/L mg/L mg/L mg/L mg/L	SW846 7470A SW846 6020	Reviewed		
Volatile Organics by GC/MS Reviewe	Mercury in Liquid Waste (Manumercury ICP-MS (6020) Silver Aluminum Arsenic Beryllium Cadmium Chromium Copper Iron Nickel Lead	01/17/07 13: nal Cold-Vapor ND 0.00020 0.0010 0.050 0.0010 0.0010 0.0020 0.0020 0.0020 0.0020 0.0020	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	SW846 7470A SW846 6020	Reviewed		
	Mercury in Liquid Waste (Manumercury ICP-MS (6020) Silver Aluminum Arsenic Beryllium Cadmium Chromium Copper Iron Nickel Lead Antimony	01/17/07 13: nal Cold-Vapor ND 0.00020 0.0010 0.050 0.0010 0.0010 0.0020 0.0020 0.0020 0.0020 0.0020	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	SW846 7470A SW846 6020	Reviewed		
	Mercury in Liquid Waste (Manumercury ICP-MS (6020) Silver Aluminum Arsenic Beryllium Cadmium Chromium Copper Iron Nickel Lead Antimony Thallium	01/17/07 13: nal Cold-Vapor ND 0.00020 0.0010 0.050 0.0010 0.0010 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	SW846 7470A SW846 6020 WATER Reviewed			
	Mercury in Liquid Waste (Manumercury ICP-MS (6020) Silver Aluminum Arsenic Beryllium Cadmium Chromium Copper Iron Nickel Lead Antimony Thallium Zinc	01/17/07 13: nal Cold-Vapor ND 0.00020 0.0010 0.050 0.0010 0.0010 0.0020 0.0020 0.0020 0.0020 0.0020 0.0020 0.0010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	SW846 7470A SW846 6020 Reviewed			
Acetone ND 10 ug/L SW846 8260B Benzene ND 1.0 ug/L SW846 8260B	Mercury in Liquid Waste (Manumercury ICP-MS (6020) Silver Aluminum Arsenic Beryllium Cadmium Chromium Copper Iron Nickel Lead Antimony Thallium Zinc Volatile Organics by GC/MS	01/17/07 13: nal Cold-Vapor ND 0.00020 0.0010 0.050 0.0010 0.0010 0.0020 0.0020 0.0020 0.0020 0.0020 0.0010 0.0020 0.0010 0.0020	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	SW846 7470A SW846 6020	Reviewed		

(Continued on next page)

Ruto t #: A7A180130		ers Organics Corporation SALEM, OHIO SITE			Date Reported:		
PARAMETER	RESULT	REPORTI	NG UNITS	ANAI METH	YTICAL OD		
Client Sample ID: OUTFALL 1-17-0		00 5		22 /2 0 / 0 2			
Sample #: 003 Date Sampled:	01/1//0/ 13:	oo Date.	kecelved: (71/18/0/	matrix:	WATER	
Volatile Organics by GC/MS						Reviewed	
Bromobenzene	ND	1.0	ug/L	SW84	6 8260B		
Bromochloromethane	ND	1.0	ug/L		6 8260B		
Bromodichloromethane	ND	1.0	ug/L		6 8260B		
Bromoform	ND	1.0	ug/L		6 8260B		
Bromomethane	ND	1.0	ug/L		6 8260B		
2-Butanone	ND	10	ug/L		6 8260B		
n-Butylbenzene	ND	1.0	ug/L		6 8260B		
sec-Butylbenzene	ND	1.0	ug/L		6 8260B		
tert-Butylbenzene	ND	1.0	ug/L		6 8260B		
Carbon tetrachloride	ND	1.0	ug/L		6 8260B		
Chlorobenzene	ND	1.0	ug/L		6 8260B		
Dibromochloromethane	ND	1.0	ug/L		6 8260B		
Chloroethane	ND	1.0	ug/L		6 8260B		
Chloroform	ND	1.0	ug/L		6 8260B		
Chloromethane	ND	1.0	ug/L		6 8260B		
2-Chlorotoluene	ND	1.0	ug/L ug/L		6 8260B		
4-Chlorotoluene	ND	1.0	ug/L ug/L		6 8260B		
		1.0	-				
1,2-Dibromoethane	ND		ug/L		6 8260B		
Dibromomethane	ND	1.0	ug/L		6 8260B		
1,2-Dichlorobenzene	ND	1.0	ug/L		6 8260B		
1,3-Dichlorobenzene	ND	1.0	ug/L		6 8260B		
1,4-Dichlorobenzene	ND	1.0	ug/L		6 8260B		
Dichlorodifluoromethane	ND	1.0	ug/L		6 8260B		
1,1-Dichloroethane	ND	1.0	ug/L		6 8260B		
1,2-Dichloroethane	ND	1.0	ug/L		6 8260B		
cis-1,2-Dichloroethene	ND	1.0	ug/L		6 8260B		
trans-1,2-Dichloroethene	ND	1.0	ug/L		6 8260B		
1,1-Dichloroethene	ND	1.0	ug/L		6 8260B		
1,2-Dichloropropane	ND	1.0	ug/L		6 8260B		
1,3-Dichloropropane	ND	1.0	ug/L		6 8260B		
2,2-Dichloropropane	ND	1.0	ug/L		6 8260B		
cis-1,3-Dichloropropene	ND	1.0	ug/L		6 8260B		
trans-1,3-Dichloropropene	ND	1.0	ug/L		6 8260B		
1,1-Dichloropropene	ИD	1.0	ug/L		6 8260B		
Ethylbenzene	ND	1.0	ug/L		6 8260B		
Isopropylbenzene	ND	1.0	ug/L		6 8260B		
p-Isopropyltoluene	ND	1.0	ug/L	SW84	6 8260B		

(Continued on next page)

The results shown below may still require additional laboratory review and are subject to

Rutg ot #: A7A180130	ers Organics SALEM, OF		Date Reported	PAGE : 1/25/07	
PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
					
Client Sample ID: OUTFALL 1-17-0 Sample #: 003 Date Sampled:		00 Date Re	ceived:	01/18/07 Matrix:	WATER
Volatile Organics by GC/MS	•				Reviewed
Methylene chloride	ND	1.0	ug/L	SW846 8260B	
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B	
Styrene	ND	1.0	ug/L	SW846 8260B	
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B	
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B	
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B	
Toluene	ND	1.0	ug/L	SW846 8260B	
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B	
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B	
Trichloroethene	ND	1.0	ug/L	SW846 8260B	
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B	
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B	
Vinyl chloride	ND	1.0	ug/L	SW846 8260B	
m-Xylene & p-Xylene	ND	2.0	ug/L	SW846 8260B	
o-Xylene	ND	1.0	ug/L	SW846 8260B	
Semivolatile Organic Compounds	by GC/MS				Reviewed
Anthracene	ND	10	ug/L	SW846 8270C	
Benzo(a)anthracene	ND	10	ug/L	SW846 8270C	
Benzo(b) fluoranthene	ND	10	ug/L	SW846 8270C	
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270C	
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270C	
Benzo(a)pyrene	ND	10	ug/L	SW846 8270C	
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270C	
Chrysene	ND	10	ug/L	SW846 8270C	
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270C	
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270C	
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270C	
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270C	
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270C	
Dimethyl phthalate	ND	10	ug/L	SW846 8270C	
Fluorene	ND	10	ug/L	SW846 8270C	
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270C	
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C	

(Continued on next page)

The results shown below may still require additional laboratory review and are subject to

Rutg t #: A7A180130	ers Organics SALEM, O	s Corporatio HIO SITE	Date Reported:	PAGE 1/25/07	
PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
					
Client Sample ID: OUTFALL 1-17-0 Sample #: 003 Date Sampled:		:00 Date Red	ceived: 01/	18/07 Matrix:	WATER
Semivolatile Organic Compounds	by GC/MS				Reviewed
4-Methylphenol	ND	10	ug/L	SW846 8270C	
Naphthalene	ND	10	ug/L	SW846 8270C	
Phenanthrene	ND	10	ug/L	SW846 8270C	
Phenol	ND	10	ug/L	SW846 8270C	
Pyrene	ND	10	ug/L	SW846 8270C	
Phenyl sulfone	ND	2.0	ug/L	SW846 8270C	
3,4-Dichloronitrobenzene	ND	10	ug/L	SW846 8270C	
Organochlorine Pesticides					Reviewed
Methoxychlor	ND	0.10	ug/L	SW846 8081A	
Inorganic Analysis					Reviewed
Carbonaceous BOD	ND	2	mg/L	MCAWW 405.1	
Free Cyanide	ND	0.010	mg/L	SM18 4500-CN-	- I
Chemical Oxygen Demand	ND	20	mg/L	MCAWW 410.4	
N-Hexane Extractable Material (1664A)	ND	5.0	mg/L	CFR136A 1664A	A HEM
Ammonia Nitrogen	ND	2.0	mq/L	MCAWW 350.2	
pH Aqueous	8.2		No Units	SW846 9040B	
Filterable Residue (TDS)	380	10	mg/L	MCAWW 160.1	
Total Organic Carbon	ND	1	mg/L	SW846 9060	
Non-Filterable Residue (TSS)	ND	4.0	mg/L	MCAWW 160.2	
Client Sample ID: TRIP BLANK Sample #: 004 Date Sampled: (01/17/07 13:	:00 Date Rec	ceived: 01/	18/07 Matrix:	WATER
Volatile Organics by GC/MS					Reviewed
Acetone	3.0 J	10	ug/L	SW846 8260B	
Benzene	ND	1.0	ug/L	SW846 8260B	
Bromobenzene	ND	1.0	ug/L	SW846 8260B	
Bromochloromethane	ND	1.0	ug/L	SW846 8260B	
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B	
	ND	1.0	ug/L	SW846 8260B	

(Continued on next page)

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Ruto t #: A7A180130	gers Organics SALEM, OH	_	on	Date Report	PAGE ed: 1/25/
. A/A100130	DABBIT, OIL	110 5111		bace Report	eu. 1/25/
PARAMETER	DECUL III	REPORTIN		ANALYTICA	L
	RESULT	LIMIT	UNITS	METHOD	
Client Sample ID: TRIP BLANK					
Sample #: 004 Date Sampled:	01/17/07 13:	00 Date R	eceived: 0	1/18/07 Matr	ix: WATER
Volatile Organics by GC/MS					Reviewe
Bromomethane	ND	1.0	ug/L	SW846 826	
2-Butanone	ND	10	ug/L	SW846 826	
n-Butylbenzene	ND	1.0	ug/L	SW846 826	
sec-Butylbenzene	ND	1.0	ug/L	SW846 826	
tert-Butylbenzene	ND	1.0	ug/L	SW846 826	
Carbon tetrachloride	ND	1.0	ug/L	SW846 826	
Chlorobenzene	ND	1.0	ug/L	SW846 826	
Dibromochloromethane	ND	1.0	ug/L	SW846 826	
Chloroethane	ND	1.0	ug/L	SW846 826	
Chloroform	ND	1.0	ug/L	SW846 826	
Chloromethane	ND	1.0	ug/L	SW846 826	
2-Chlorotoluene	ND	1.0	ug/L	SW846 826	
4-Chlorotoluene	ND	1.0	ug/L	SW846 826	
1,2-Dibromoethane	ND	1.0	ug/L	SW846 826	
Dibromomethane	ND	1.0	ug/L	SW846 826	
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 826	
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 826	
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 826	
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 826	
1,1-Dichloroethane	ND	1.0	ug/L	SW846 826	
1,2-Dichloroethane	ND	1.0	ug/L	SW846 826	
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 826	
	ND	1.0	-	SW846 826	
trans-1,2-Dichloroethene	ND ND	1.0	ug/L	SW846 826	
1,1-Dichloroethene	ND	1.0	ug/L		
<pre>1,2-Dichloropropane 1,3-Dichloropropane</pre>		1.0	ug/L	SW846 826	
• -	ND	1.0	ug/L	SW846 8260	
2,2-Dichloropropane	ND		ug/L	SW846 8260	
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260	
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260	
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260	
Ethylbenzene	ND	1.0	ug/L	SW846 8260	
Isopropylbenzene	ND	1.0	ug/L	SW846 8260	
p-Isopropyltoluene	ND	1.0	ug/L	SW846 8260	
Methylene chloride	2.0	1.0	ug/L	SW846 8260	
n-Propylbenzene	ND	1.0	ug/L	SW846 8260	
Styrene	ИD	1.0	ug/L	SW846 8260	
1,1,1,2-Tetrachloroethane	ИD	1.0	${\tt ug/L}$	SW846 8260	DВ

(Continued on next page)

Rutg Lot #: A7A180130	ers Organics SALEM, OF		ion	Date Reported:	PAGE 10 1/25/07
PARAMETER	RESULT	REPORTI LIMIT	NG UNITS	ANALYTICAL METHOD	
Client Sample ID: TRIP BLANK Sample #: 004 Date Sampled:	01/17/07 13:	00 Date	Received: ()1/18/07 Matrix:	WATER
Volatile Organics by GC/MS					Reviewed
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B	
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B	
Toluene	ND	1.0	ug/L	SW846 8260B	
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B	
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B	
Trichloroethene	ND	1.0	ug/L	SW846 8260B	
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B	
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B	
Vinyl chloride	ND	1.0	ug/L	SW846 8260B	
m-Xylene & p-Xylene	ND	2.0	ug/L	SW846 8260B	
o-Xylene	ND	1.0	ug/L	SW846 8260B	

J Estimated result Result is less than RL

Client Sample ID: AGAC 1-2 1-17-07

Sample #: 005--- Date Sampled: 01/17/07 13:00 Date Received: 01/18/07 Matrix: AIR

Volatile Organics by TO14 A	(Low Level)			Re	viewed
Benzene	ND	0.50	ppb(v/v)	EPA-2 TO-14A	
Bromodichloromethane	ND	0.50	ppb(v/v)	EPA-2 TO-14A	
Bromoform	ND	0.50	ppb(v/v)	EPA-2 TO-14A	
Carbon tetrachloride	ND	0.50	ppb(v/v)	EPA-2 TO-14A	
Chlorobenzene	ND	0.50	ppb(v/v)	EPA-2 TO-14A	
Dibromochloromethane	ND	0.50	ppb(v/v)	EPA-2 TO-14A	
Chloroethane	ND	0.50	ppb(v/v)	EPA-2 TO-14A	
Chloroform	ND	0.50	ppb(v/v)	EPA-2 TO-14A	
1,2-Dibromoethane (EDB)	ND	0.50	ppb(v/v)	EPA-2 TO-14A	
Dibromomethane	ND	1.0	ppb(v/v)	EPA-2 TO-14A	
1,2-Dichlorobenzene	0.71	0.50	ppb (▼/▼)	EPA-2 TO-14A	
1,3-Dichlorobenzene	ND	0.50	ppb(v/v)	EPA-2 TO-14A	
1,4-Dichlorobenzene	ND	0.50	ppb(v/v)	EPA-2 TO-14A	
Dichlorodifluoromethane	ND	0.50	ppb(v/v)	EPA-2 TO-14A	
1,1-Dichloroethane	ND	0.50	ppb(v/v)	EPA-2 TO-14A	
1,2-Dichloroethane	ND	0.50	ppb(v/v)	EPA-2 TO-14A	

(Continued on next page)

The regults show below may still require additional laboratory regular and are subject to

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

		Rutgers Organics Corporation	PAGE	11
Lot #:	A7A180130	SALEM, OHIO SITE Date Reported	: 1/25	/07

REPORTING ANALYTICAL

PARAMETER RESULT LIMIT UNITS METHOD

Client Sample ID: AGAC 1-2 1-17-07

Sample #: 005 Date Sampled: 01/17/07 13:00 Date Received: 01/18/07 Matrix: AIR

Volatile Organics by TO14 A (Lo	w Level)				Reviewed
cis-1,2-Dichloroethene	ND	0.50	ppb(v/v)	EPA-2 TO-14A	1
trans-1,2-Dichloroethene	ND	0.50	ppb(v/v)	EPA-2 TO-14A	1
1,1-Dichloroethene	ND	0.50	ppb(v/v)	EPA-2 TO-14A	L
1,2-Dichloropropane	ND	0.50	ppb(v/v)	EPA-2 TO-14A	L
cis-1,3-Dichloropropene	ND	0.50	ppb(v/v)	EPA-2 TO-14A	L.
trans-1,3-Dichloropropene	ND	0.50	ppb(v/v)	EPA-2 TO-14A	L
Ethylbenzene	ND	0.50	ppb(v/v)	EPA-2 TO-14A	L
Cumene	ND	1.0	ppb(v/v)	EPA-2 TO-14A	L
n-Propylbenzene	ND	1.0	ppb(v/v)	EPA-2 TO-14A	
Styrene	ND	0.50	ppb(v/v)	EPA-2 TO-14A	L
1,1,2,2-Tetrachloroethane	ND	0.50	ppb(v/v)	EPA-2 TO-14A	
Tetrachloroethene	ND	0.50	ppb(v/v)	EPA-2 TO-14A	L
Toluene	ND	0.50	ppb(v/v)	EPA-2 TO-14A	L
1,1,1-Trichloroethane	ND	0.50	ppb(v/v)	EPA-2 TO-14A	L
1,1,2-Trichloroethane	ND	0.50	ppb(v/v)	EPA-2 TO-14A	L
Trichloroethene	ND	0.50	ppb(v/v)	EPA-2 TO-14A	L
Trichlorofluoromethane	ND	0.50	ppb(v/v)	EPA-2 TO-14A	L
1,2,3-Trichloropropane	ND	1.2	ppb(v/v)	EPA-2 TO-14A	
1,3,5-Trimethylbenzene	ND	0.50	ppb(v/v)	EPA-2 TO-14A	
Vinyl chloride	ND	0.50	ppb(v/v)	EPA-2 TO-14A	
m-Xylene & p-Xylene	ND	0.50	ppb(v/v)	EPA-2 TO-14A	
o-Xylene	ND	0.50	ppb(v/v)	EPA-2 TO-14A	

Client Sample ID: AGAC-F 1-17-07

Sample #: 006 Date Sampled: 01/17/07 13:00 Date Received: 01/18/07 Matrix: AIR

Volatile Organics by TO14 A (Low	Level)				Reviewed
Benzene	ND	0.50	ppb(v/v)	EPA-2 TO-14A	
Bromodichloromethane	ND	0.50	ppb(v/v)	EPA-2 TO-14A	
Bromoform	ND	0.50	ppb(v/v)	EPA-2 TO-14A	
Carbon tetrachloride	ND	0.50	ppb(v/v)	EPA-2 TO-14A	
Chlorobenzene	ND	0.50	ppb(v/v)	EPA-2 TO-14A	
Dibromochloromethane	ND	0.50	ppb(v/v)	EPA-2 TO-14A	
Chloroethane	ND	0.50	ppb(v/v)	EPA-2 TO-14A	
Chloroform	ND	0.50	ppb(v/v)	EPA-2 TO-14A	
1,2-Dibromoethane (EDB)	ND	0.50	ppb(v/v)	EPA-2 TO-14A	

(Continued on next page)

The results shown below may still require additional laboratory review and are subject to

change. Actions taken based on these results are the responsibility of the data user. ______ Rutgers Organics Corporation PAGE Lot #: A7A180130 SALEM, OHIO SITE Date Reported: 1/25/07 REPORTING ANALYTICAL RESULT LIMIT UNITS METHOD Client Sample ID: AGAC-F 1-17-07 Sample #: 006 Date Sampled: 01/17/07 13:00 Date Received: 01/18/07 Matrix: AIR Volatile Organics by TO14 A (Low Level) Reviewed 1.0 ppb(v/v) EPA-2 TO-14A Dibromomethane ND 1,2-Dichlorobenzene 0.93 0.50 ppb(v/v) EPA-2 TO-14A 1,3-Dichlorobenzene ND 0.50 ppb(v/v) EPA-2 TO-14A 1,4-Dichlorobenzene ND 0.50 ppb(v/v) EPA-2 TO-14A Dichlorodifluoromethane ND 0.50 ppb(v/v) EPA-2 TO-14A 1,1-Dichloroethane ND 0.50 ppb(v/v) EPA-2 TO-14A ND 0.50 ppb(v/v) EPA-2 TO-14A 1,2-Dichloroethane ND 0.50 cis-1,2-Dichloroethene ppb(v/v) EPA-2 TO-14A trans-1,2-Dichloroethene 0.50 ppb(v/v) EPA-2 TO-14A ND ppb(v/v) EPA-2 TO-14A 0.50 1,1-Dichloroethene ND ppb(v/v) EPA-2 TO-14A ND 0.50 1,2-Dichloropropane EPA-2 TO-14A cis-1,3-Dichloropropene ND 0.50 ppb(v/v) trans-1,3-Dichloropropene ppb(v/v) EPA-2 TO-14A ND 0.50 ND 0.50 ppb(v/v) EPA-2 TO-14A Ethylbenzene ND Cumene 1.0 ppb(v/v) EPA-2 TO-14A 1.0 n-Propylbenzene ND ppb(v/v) EPA-2 TO-14A ppb(v/v) EPA-2 TO-14A Styrene ND 0.50 ppb(v/v) EPA-2 TO-14A 0.50 1,1,2,2-Tetrachloroethane ИD ND 0.50 Tetrachloroethene ppb(v/v) EPA-2 TO-14A ND 0.50 Toluene ppb(v/v) EPA-2 TO-14A ND 0.50 1,1,1-Trichloroethane ppb(v/v) EPA-2 TO-14A 0.50 ppb(v/v) EPA-2 TO-14A 1,1,2-Trichloroethane ND ppb(v/v) EPA-2 TO-14A 0.50 Trichloroethene ND ppb(v/v) EPA-2 TO-14A Trichlorofluoromethane ND 0.50 1,2,3-Trichloropropane ND 1.2 ppb(v/v) EPA-2 TO-14A ppb(v/v) EPA-2 TO-14A 1,3,5-Trimethylbenzene ND 0.50 0.50 ND Vinyl chloride ppb(v/v) EPA-2 TO-14A

0.50

0.50

ppb(v/v) EPA-2 TO-14A

ppb(v/v) EPA-2 TO-14A

ND

ND

m-Xylene & p-Xylene

o-Xylene

ATTACHMENT 4

WATER SAMPLING RESULTS/MIREX – DECEMBER 19, 2007 NEASE CHEMICAL SITE, SALEM, OHIO

JAN 2 2 2007

Rueigers Organies Corp

SEVERN STL

STL North Canton 4101 Shuffel Drive NW North Canton, OH 44720

Tel. 330 497 9396 Fax: 330 497 0772 www.stl-inc.com

ANALYTICAL REPORT

SALEM, OHIO SITE

Lot #: A6L200234

Dr. Rainer Domalski

Rutgers Organics Corporation 201 Struble Road State College, PA 16801

SEVERN TRENT LABORATORIES, INC.

Kenneth J. Kuzior Project Manager

January 17, 2007



Analytical Report

Severn Trent Laboratories

Exygen Research Project: L0010426

Testing Laboratory

Exygen Research 3058 Research Drive State College, PA 16801

Requester

Ken Kuzior Severn Trent Laboratories 4101 Shuffel Drive NW North Canton, OH 44720



1 Introduction

Results are reported for the analysis of three samples for mirex, photomirex, and kepone. The samples were received from Severn Trent Laboratories. The samples are part of the Rütgers Organics Corporation October Sampling Event.

2 Sample Receipt

The sample shipments were logged in and given unique Exygen laboratory identification numbers. The samples were stored refrigerated at 4°C from time of receipt until analysis. A copy of the custody documents, and sample login reports are presented in Attachment A. Listed below is the sample receipt information for the project received.

Sample Identification	Exygen ID	Date Sampled	Date Received	Sample Matrix
A6LZ00234-1 Influent 12-19-06	. L0010426-0001	12/19/06	12/21/06	Water
A6L200234-2 LGAC 2-3-12-19-06	L0010426-0002	12/19/06	12/21/06	Water
A6L200234-3 Outfall 12-19-06	L0010426-0003	12/19/06	12/21/06	Water

3 Sample Analysis

3.1 Analysis

Listed in Table 1 are the parameters, methods and laboratory performing each of the analysis.

Table 1

Parameter	Method	Laboratory
mirex, photomirex, kepone (MPK)	SOP 6.2	Exygen Research

3.2 Holding Times

All holding times were met for the requested analysis.

3.3 Quality Control

Quality control included those parameters prescribed by each method or SOP.

3.4 Sample Related Comments

There were no problems related to the analysis of this sample.

4 Data Summary

Results are reported in Attachment B.

5 Data/Sample Retention

Samples are disposed of one month after the report is issued unless otherwise specified. All electronic data is archived on retrievable media and hard copy reports are stored in data folders maintained by Exygen Research. Hardcopy data is stored for a minimum of five years.

1/16/07

- 6 Attachments
- 6.1 Attachment A: Chain-of-Custody
- 6.2 Attachment B: Data Summary, Exygen Research
- 7 Signatures

Charles Simons, Operations Manager

Exygen Research



3058 Research Drive State College, PA 16801

Phone: 814-272-1039 Fax: 814-231-1580

Login

Login Group: L0010426

Login #: 10537 Project: P0002201

Conform COC Sample: True Conform COC: True

Company Name: Severn Trent Laboratories

Conform Sample:

True

Submitted By:

Conform Request:

True

Login Type:

Ken Kuzior

Immediate Receipt of Samples

Started:

True

Date Start:

12/21/2006

Due Date: Login Initiated*: 12/31/2006 12/21/2006

* Dates entered into "Login Initiated" field prior to 1/5/06 reflect dates of receipt. The field was formerly called "Received Date"

Received By:

Ammerman, Mark

Spread Sample:

Label:

Exygen SD/PI:

Simons, Charles

Project Title/Type: Analysis of water and soil samples for Mirex, Photomirex, and Kepone (MPK) / ROUTINE

Login Notes:

Packages / Containers

	<u>Package</u>	<u>Carton</u>	Date /	Condition	Shipper / ID	Temp. Control/Temp.	Direction / Handled By
1	PK0012472	Receive Package		2/21/06 11:55 s Uncompromised	FEDEX 6983 4583 5944	Wet Ice 1.4	RECEIVED Ammerman, Mark
}	Container # C0227016	Gross Weight 1,345.60 g	<u>Н</u> д	Container Type 1 liter amber glass	Preservative NONE	Mfg. Lot	Mfg ID
1	C0227017	1,403.30 g		1 liter amber glass	NONE		
Ş	C0227018	1,356.90 g		1 liter amber glass	NONE		
Į	C0227019	1,388.50 g		1 liter amber glass	NONE		
	C0227020	1,400.10 g		1 liter amber glass	NONE		
	C0227021	1,385.20 g		1 liter amber glass	NONE		





Client ID: A6L200234-1 Influent 12-19-06

Lab ID: L0010426-0001

PARAMETER	. UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
PESTICIDE ANALYSIS KEPONE PHOTOMIREX MIREX	ug/L . ug/L ug/L	U 0.042 U 0.006 0.438	0.042 _0.006 0.002	SOP 6.2 SOP 6.2 SOP 6.2	5-Jan-07 5-Jan-07 5-Jan-07	TA TA TA

Client ID: A6L200234-2 LGAC 2-3-12-19-06

Lab ID: L0010426-0002 ·

UNITS		RESULT	LIMIT OF QUANTITATION	TEST 1	METHOD	TEST DATE	ANALYST
ug/L ug/L	u u	0.042 0.006 0.002 :	0.042 0.006 0.002	SOP	6.2	5-Jan-07 5-Jan-07 5-Jan-07	TA TA TA
	ug/L ug/L	ug/L U	ug/L U 0.042 ug/L U 0.006	UNITS RESULT QUANTITATION ug/L U 0.042 0.042 ug/L U 0.006 0.006	UNITS RESULT QUANTITATION TEST 1 ug/L U 0.042 0.042 SOP ug/L U 0.006 0.006 SOP	UNITS RESULT QUANTITATION TEST METHOD ug/L U 0.042 0.042 SOP 6.2 ug/L U 0.006 0.006 SOP 6.2	UNITS RESULT QUANTITATION TEST METHOD TEST DATE ug/L U 0.042 0.042 SOP 6.2 5-Jan-07 ug/L U 0.006 0.006 SOP 6.2 5-Jan-07

Client ID: A6L200234-3 Outfall 12-19-06

Lab ID: L0010426-0003

PARAMETER	UNITS	1	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	analyst
PESTICIDE ANALYSIS		l			•		
KEPONE	ug/L	U	0.042	0.042	SOP 6.2	5-Jan-07	TA
PHOTOMIREX	ug/L	ט	0.006	0.006	SOP 6.2	5-Jan-07	TA
MIREX	ug/L	U	0.002	0.002	SQP 6.2	5-Jan-07	TA
		}		1			
		L		<u> </u>			

